



**Pump specifications:**

Type.....	BA300E D328
Max. flow .....	5630 US GPM (1280 m3/hour)
Max. pressure .....	70 ft. / 30 PSI (21 mwc)
Solids handling .....	4.7" x 4.1" (120 x 105 mm)
Impeller type .....	Open impeller
Priming system .....	BBA MP100
Engine .....	Perkins 904J-E36TA
Emission compliant.....	Tier 4 final – Stage V
Canopy .....	M12-29
Discharge x suction .....	12" x 12" flanges
Sound level.....	Approx. 72 dB(A) at 33 ft.
Dry weight.....	7920 lbs. (3600 kg)

**FEATURES**

**BA auto prime pump**

The BA range of pumps has been designed with a clear focus on reliability, efficiency and durability. Featuring a fully automatic priming system, the BA series pumps quickly prime and re-prime, even from dry conditions. The heavy build style of both pump and canopy make the BA range perfect for use in the demanding construction market.

**World-class performance**

The BA range is built to be deployed on the most demanding applications. Using high efficiency pumps and state-of-the-art diesel engines, the pumps offer maximum performance at minimal cost, fully in-sync with the company philosophy of “Lowest cost of ownership”.

**Sustainability**

- High efficiency pumps minimising fuel consumption
- Corrosion free hot dip galvanized canopy
- Corrosion free composite door panels and powder coated plating
- 100% Oil-spill free priming system
- Fully self contained unit featuring a double wall fuel containment tank and fluid containment system eliminating fuel/oil spills at all times

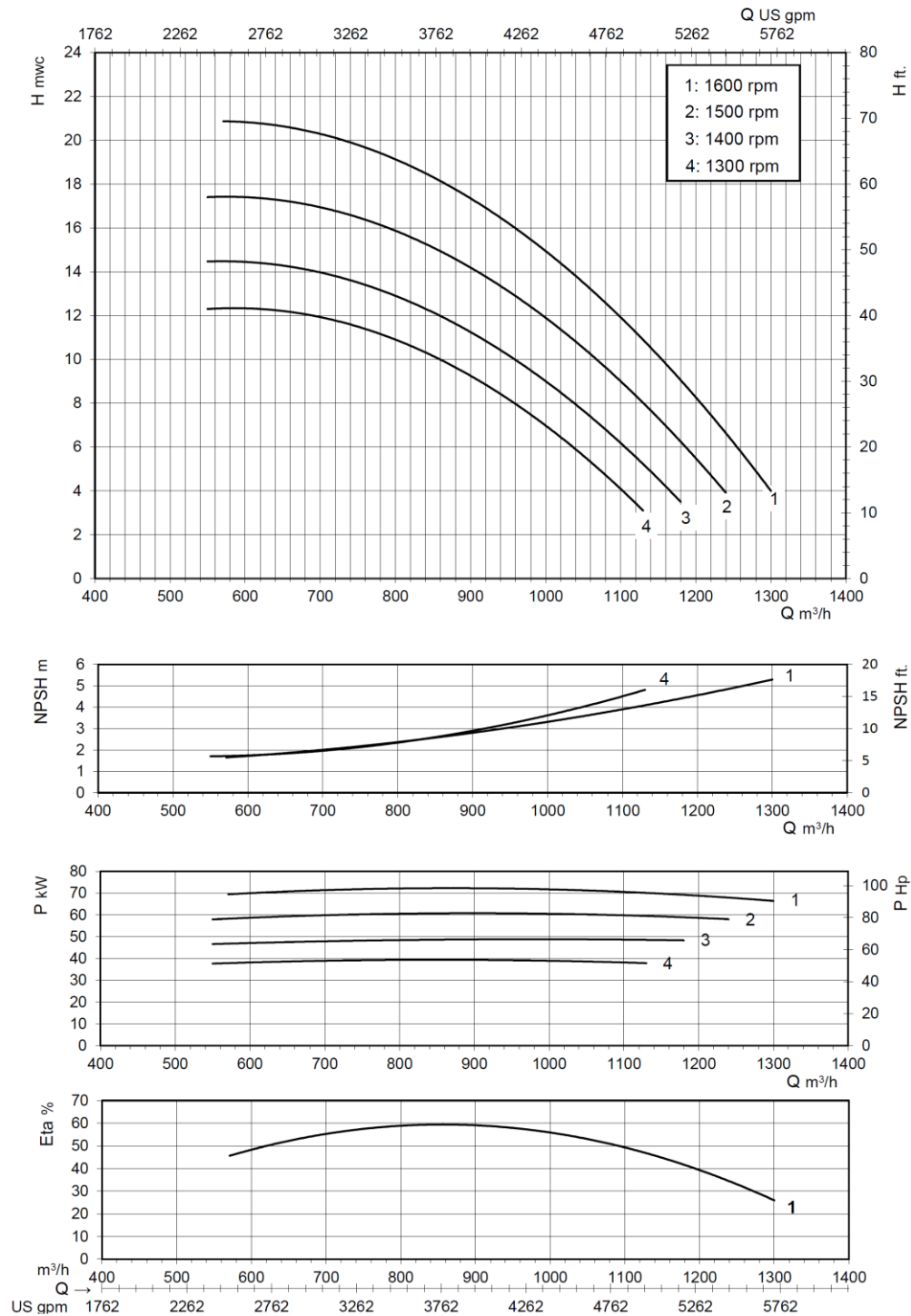
**Complete package designed & built by BBA Pumps**

- Complete in-house design & production
- Over 60 years of experience in the market
- Extensive testing facility in-house
- Contemporary & functional design
- Durable & eco-friendly materials
- Custom builds available

**After sales service & product support**

- Single supplier for parts, spares & accessories
- Dedicated customer help-desk (24h service)
- Dedicated service department in-house
- Global parts distribution network
- Optional global on-site servicing
- Extensive training options available (technical & commercial), on-site or in-house

**PERFORMANCE CURVES**  
*Continuous duty according ISO 9906*



## STANDARD TECHNICAL SPECIFICATIONS

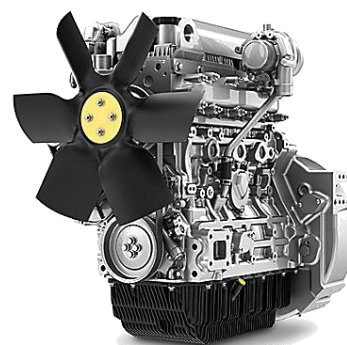
### BBA auto prime pump

Pump type.....	BA300E D328
Max. flow.....	5630 US gpm (1280 m <sup>3</sup> /hour)
Max. head.....	70 feet / 30 PSI (21 mwc)
Impeller type.....	Open impeller
Solids handling.....	4.7" x 4.1" (120 x 105 mm)
Pump casing.....	Cast iron GG20
Impeller.....	Ductile iron GGG70
Self-cleaning wear plate.....	Cast iron GG25 (w/ cutter slots)
Pump shaft.....	42CrMo4 heat treated
Shaft seal.....	Mechanical seal
Seal faces.....	Tung/Tung
Seal rubbers.....	Viton



### BBA priming system

Pump type.....	BBA MP100 Diaphragm pump
Air handling capacity.....	59 CFM (100 m <sup>3</sup> /h)
Max. vacuum.....	29 inHg (8.5 m)
Drive.....	Toothed belt (continuous drive)
Float box.....	Aluminium
Non return valve.....	Cast iron GG25
Check valve disc.....	Buna-N



### Engine

Engine brand.....	Perkins
Engine type.....	904J-E36TA
Max. power @ 2400 rpm.....	122 Hp (90 kW)
Engine speed variable.....	1300 - 1600 RPM
Fuel consumption.....	215 g/kWh
Displacement.....	3.6 litres
Number of cylinders.....	4
Aftertreatment.....	DOC, DPF and SCR
Emissions compliant.....	Tier 4 final - Stage V

### BBA control panel LC45

- Auto start/stop system
- Two float switches included (10m cable)
- Key switch
- Rpm. control with push buttons
- Warning lights
- 4.3" LCD display



### Fuel system

- Composite fuel tank 80 US gallon (300 L.) net
- Composite DEF tank 10 US gallon (38 L.) net
- Electronic fuel injection system

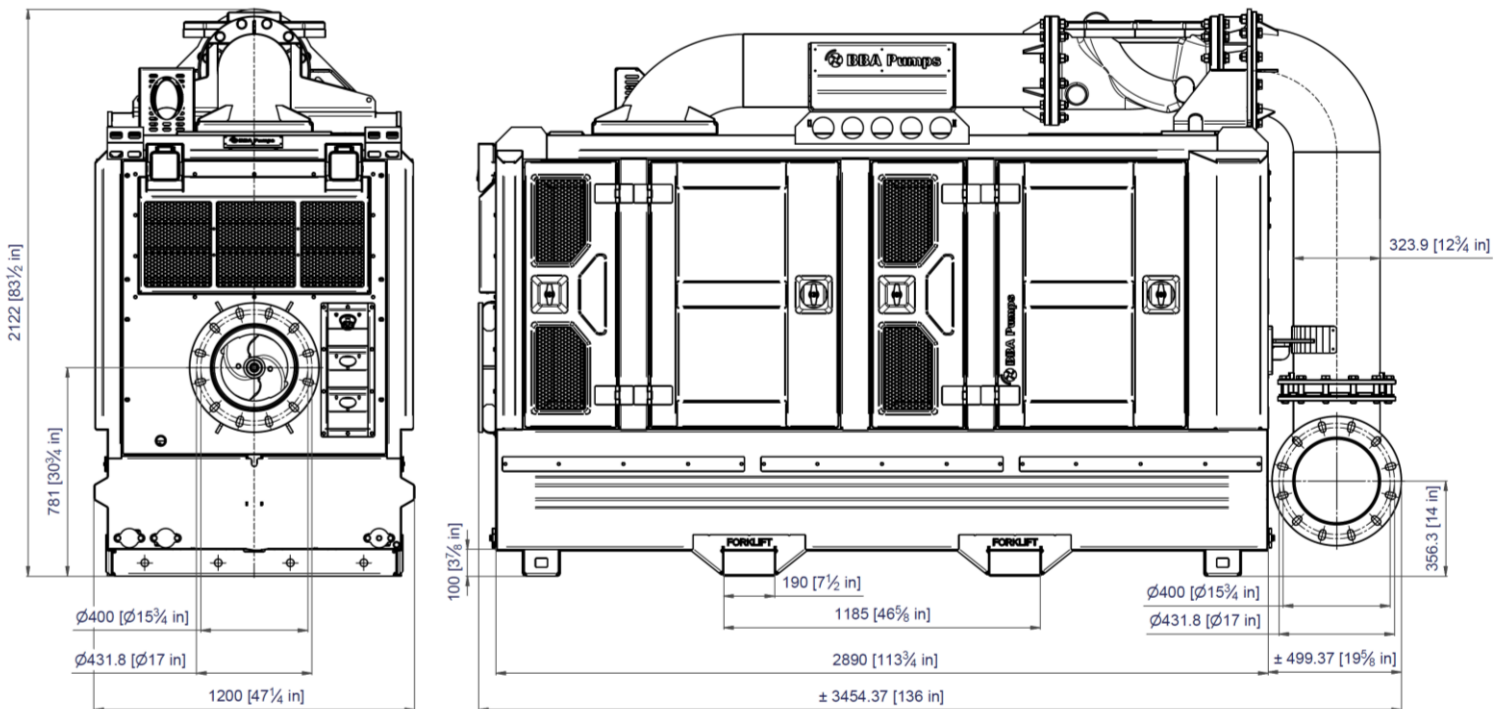
### Electrical system & safety features

- Nominal voltage 12 Volt
- Premium quality battery
- Low oil pressure shut down

## CANOPY M12-29

### BBA sound attenuating canopy

Canopy type.....	M12-29
Dimensions L x W x H .....	114 x 47.2 x 75 inch
Dimensions L x W x H .....	2900 x 1200 x 1903 mm
Discharge connection .....	12" DIN / ANSI flange with PCD K400 / K431,8 <b>rotatable</b> (12 holes)
Suction connection .....	12" DIN / ANSI flange with PCD K400 / K431,8 (12 holes)
Basic frame.....	Hot dip galvanized steel
Doors .....	8 composite easy-access doors (lockable)
Fuel tank .....	Composite net 80 US gallon (300 ltr)
Fuel tank autonomy .....	15 hours (at 1600 rpm BEP)
Fuel tank cap .....	100 mm (4 inch)
Additional .....	External fuel tank connection
DEF tank.....	Composite net 10 US gallon (38 ltr)
orklift pockets.....	Fitted with 2 forklift pockets
Lifting point .....	Fitted with lifting points
Lighting .....	Interior and exterior lighting
Electrical isolation .....	Battery isolator switch
Safety.....	Emergency stop
Aftertreatment.....	Fully integrated in the canopy
Additional .....	Fitted with oil-water separator
Documentation box.....	BBA user manual and warranty book



Actual dimensions (in mm & inches) may vary depending on selected quick couplings.



**Fuel tank**

Fully bunded, corrosion-free, 80 gallon, high-density polyethylene (HDPE) fuel tank, located in base of canopy.



**LED lights**

Fully integrated in the canopy for easy operation throughout the evening and night.



**Large inspection covers**

Easy access to float box, impeller and non-return valve.



**Safety**

Extremely durable and lockable T-locks offering perfect grip.



**4 Year limited warranty**

The BBA limited warranty covers years or operating hours whichever occurs first. For more details please consult the BBA warranty book.



**User Manual**

Extensive user manual with important information concerning the pump unit, pump installation and safety warnings. Available in several languages.